

## **REMARKS**

Claims 1-4 16, 18, and 23, 24, and 26 stand rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent Number 6,083,369 to Tanigawa (hereinafter "Tanigawa"). Claims 1-4, 16, 18, and 22-26 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Number 6,798,175 to Hanada et al. (hereinafter "Hanada").

For the Examiner's convenience and reference, Applicant's remarks are presented in substantially the same order in which the corresponding issues were raised in the Office Action. Please note that the following remarks are not intended to be an exhaustive enumeration of the distinctions between any cited references and the claimed invention. Rather, the distinctions identified and discussed below are presented solely by way of example to illustrate some of the differences between the claimed invention and the cited references.

Applicant thanks Examiner Sparks for the brief discussion of the case on May 4, 2006 after Examiner Luk became unavailable. Applicant requests that the Examiner allow the amendment of claims 1, 4, 16, 22, 23, and 26 and cancel claims 2, 3, 18, 24, and 25 in order to put the application in condition for allowance. The amendments are well supported by the specification. Specifically, the specification discloses a computer and/or notebook computer. Page 7, Line 29 – Page 8, Line 3, Fig. 1, Ref. 10. Figure 2 also shows the high-capacity capacitor and switch series combination in parallel with the battery and computer. Fig. 2, Ref. 61, 73, 74.

The specification teaches disconnecting the high-capacity capacitor from the power line when the battery is disconnected from the power line, when the computer is powered off, or when the computer kept in a small-power-consumption mode. Page 6, Lines 14-15; Page 14,

Line 26 – Page 15, Line 21. In addition, the specification discloses the high-capacity capacitor having an equivalent series resistance in the range of ten to one hundred milliwatts and a capacitance in the range of zero point one to tens of Farads. Page 13, Lines 1-4. The specification also teaches disconnecting the high-capacity capacitor from the power line using said switch when the computer enters a wake on Lan mode. Page 15, Lines 9-21.

Response to rejections of claims under 35 U.S.C. § 102(b) and 102(e).

Claims 1-4 16, 18, and 23, 24, and 26 stand rejected under 35 U.S.C. § 102(b) as anticipated by Tanigawa. Claims 1-4, 16, 18, and 22-26 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Hanada. Applicant respectfully traverses this rejection.

Claims 1, 16, 22, and 23 are amended to claim a “...switch in series combination with said high-capacity capacitor and said series combination of said switch and said high-capacity capacitor being coupled in parallel with said battery and said computer...” Claim 1 as amended. See also claims 16, 22, and 23. In contrast, Tanigawa discloses a series combination of a switch and a capacitor in parallel with a battery and a heater. Tanigawa, Fig. 4, Refs. 3, SW3. Because Tanigawa teaches a heater rather than a computer, Applicant asserts that claims 1, 16, and 23 are allowable.

Hanada does not disclose a series combination of a switch (20) in series with a high-capacity capacitor (10) that is connected in parallel to a battery (2) and a computer (load) (3). Hanada, Fig. 2, Refs. 2, 3, 10, 20. Instead, Hanada teaches only the capacitor (10) in parallel with the battery (2) and load (3). Hanada, Fig. 2, Refs 2, 3, 10. Therefore, Applicant submits

that claims 1, 16, 22, and 23 are allowable as Hanada does not disclose each element of the claims as amended.

Claims 1 and 23 are also amended with the limitation "...disconnect the high-capacity capacitor from the power line using said switch when the battery is disconnected from the power line, when the computer is powered off, or when the computer kept in a small-power-consumption mode..." Claim 1 as amended. See also claim 23 as amended. In contrast, Tanigawa does not teach the computer. Hanada teaches restricting output voltage to avoid over current protection . Hanada, Abstract. Neither Tanigawa nor Hanada teach disconnecting the capacitor when a battery is disconnected, a computer is turned off, or when the computer is kept in a small-power consumption mode. Therefore, Applicants submit that claims 1 and 23 are allowable.

Claim 16 is amended with the limitation "...disconnect the high-capacity capacitor from the power line using said switch when the computer enters a wake on Lan mode..." Claim 16 as amended. Neither Tanigawa nor Hanada teach disconnecting the capacitor when a computer enters a wake on Lan mode. Therefore, Applicants assert that claim 16 is allowable.

Claim 22 is also amended with the limitation "...the high-capacity capacitor having an equivalent series resistance in the range of ten to one hundred milliwatts and a capacitance in the range of zero point one to ten Farads..." Claim 22 as amended. Because Hanada does not teach a capacitor having equivalent series resistance in the range of ten to one hundred milliwatts and a capacitance in the range of zero point one to ten Farads, Applicant asserts that claim 22 is allowable. Claims 2, 3, 18, 24, and 25 are canceled.

As a result of the presented remarks, Applicant asserts that independent claims 1, 16, 22, and 23 are in condition for prompt allowance. Applicant has not specifically traversed the rejections of dependent claims 4 and 26 under 35 U.S.C. §102(b) and 35 U.S.C. §102(e), but believe those claims to be allowable for depending from allowable claims. See, *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988).

Should additional information be required regarding the traversal of the rejections of the dependent claims enumerated above, Examiner is respectfully asked to notify Applicant of such need. If any impediments to the prompt allowance of the claims can be resolved by a telephone conversation, the Examiner is respectfully requested to contact the undersigned.

Respectfully submitted,

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